



SEQUENCE LISTING

<110> Pangene Corporation

<120> Locked Nucleic Acid Hybrids and Methods of Use

<130> FP-68112-1-PC/RFT/RMS

<140> PCT/US00/10909

<141> 2000-04-21

<150> USSN 60/130,345

<151> 1999-04-21

<150> USSN 09/557,423

<151> 2000-04-21

<160> 18

<170> PatentIn Ver. 2.1

<210> 1

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<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: B-DNA

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<223> Description of Artificial Sequence: B-DNA

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<223> Description of Artificial Sequence: Z-DNA

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cctcgaggtc gacggtatcg ataagcttga ttgtgtgtgt gtgtgtgtgt atcgaattcc 60  
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<220>  
<223> Description of Artificial Sequence: Z-DNA

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tcgataccgt cgacctcgag g 81

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<223> Description of Artificial Sequence: Quadraplex  
forming DNA

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<212> DNA  
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<223> Description of Artificial Sequence: Quadraplex  
forming DNA

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tagtggatcc cccgggctgc aggaattcga ttgggggttg gggttatcaa gcttatcgat 60  
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<211> 19

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Z-DNA

<400> 7

acacacacac acacacaca 19

<210> 8

<211> 19

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Z-DNA

<400> 8

tgtgtgtgtg tgtgtgtgt 19

<210> 9

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Quadraplex  
forming DNA

<400> 9

ttgggggttg gggtt 14

<210> 10

<211> 41

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Triplex  
forming DNA

<400> 10

agcttcacctc ctccctcccc taatacccca cccaccaccc g

41

<210> 11

<211> 41

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Triplex  
forming DNA

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aattcgggtg gtgggtgggg tattagggga gggaggaggg a

41

<210> 12

<211> 20

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: FECO peptide

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Asn	Gln	Ile	Arg	Met	Lys	Ile	Gly	Val	Met	Phe	Gly	Asn	Pro	Glu	Thr
1				5				10						15	

Thr	Thr	Gly	Gly
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<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: nuclear  
localization sequence. FECO fusion

<400> 13

Pro	Leu	Leu	Leu	Ala	Leu	Val	Asn	Gln	Ile	Arg	Met	Lys	Ile	Gly	Val
1				5					10					15	

Met Phe Gly Asn Pro Glu Thr Thr Thr Gly Gly  
20 25

<210> 14  
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<223> Description of Artificial Sequence: Description of  
Artificial Sequence: nuclear localization  
sequence. FECO fusion

<400> 14  
Pro Leu Leu Leu Ala Leu Val  
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<210> 15  
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<223> Description of Artificial Sequence: reference  
sequence

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tatac

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<210> 16  
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<212> DNA  
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<223> Description of Artificial Sequence: reference  
sequence

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gtata

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<210> 17  
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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: quadruplex  
forming DNA

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ttgggggttg gggt

14

<210> 18

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<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: triplex  
forming DNA

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gggtggtggg tggggtatta ggggagggag gaggg

35